Complete Summary

TITLE

Stable coronary artery disease (CAD): percentage of patients with stable CAD who have had a lipid profile determination at target (less than 100) and measured within the last year.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Stable coronary artery disease. Bloomington (NM): Institute for Clinical Systems Improvement (ICSI); 2006 Apr. 45 p. [70 references]

Measure Domain

PRIMARY MEASURE DOMAIN

Outcome

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the Measure Validity page.

SECONDARY MEASURE DOMAIN

Process

Brief Abstract

DESCRIPTION

This measure is used to assess the percentage of patients with stable coronary artery disease (CAD) who have had a lipid profile determination at target (less than 100) and measured within the last year.

RATIONALE

The priority aim addressed by this measure is to increase the percentage of patients with stable coronary artery disease (CAD) who receive an intervention for modifiable risk factors.

PRIMARY CLINICAL COMPONENT

Stable coronary artery disease (CAD); lipid profile (total cholesterol, high-density lipoprotein [HDL]-cholesterol, low-density lipoprotein [LDL]-cholesterol, triglycerides)

DENOMINATOR DESCRIPTION

All patients 18 years of age and over with stable coronary artery disease (CAD) (see the related "Denominator Inclusions/Exclusions" field in the Complete Summary)

NUMERATOR DESCRIPTION

Number of patient records with a lipid profile at target and measured within the last year (see the related "Numerator Inclusions/Exclusions" field in the Complete Summary)

Evidence Supporting the Measure

EVIDENCE SUPPORTING THE CRITERION OF QUALITY

- A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

NATIONAL GUIDELINE CLEARINGHOUSE LINK

- Stable coronary artery disease.

Evidence Supporting Need for the Measure

NEED FOR THE MEASURE

Unspecified

State of Use of the Measure

STATE OF USE

Current routine use

CURRENT USE

Internal quality improvement

Application of Measure in its Current Use

CARE SETTING

Physician Group Practices/Clinics

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Physicians

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Group Clinical Practices

TARGET POPULATION AGE

Age greater than or equal to 18 years

TARGET POPULATION GENDER

Either male or female

STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

Characteristics of the Primary Clinical Component

INCIDENCE/PREVALENCE

Unspecified

ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

BURDEN OF ILLNESS

Unspecified

UTILIZATION

Unspecified

COSTS

Unspecified

Institute of Medicine National Healthcare Quality Report Categories

IOM CARE NEED

Living with Illness

IOM DOMAIN

Effectiveness

CASE FINDING

Users of care only

DESCRIPTION OF CASE FINDING

All patients age 18 and over with stable coronary artery disease (CAD)

A monthly random sample of at least 10 patients is suggested. The data may be collected by chart audit or with administrative systems augmented by chart audit.

Count as patients in the denominator all patients whose records verify the stable CAD diagnosis.

Data may be collected monthly.

DENOMINATOR SAMPLING FRAME

Patients associated with provider

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions
Patients age 18 and over

Stable coronary artery disease (CAD) patients may be identified by one of these International Classification of Diseases, Ninth Revision (ICD-9) codes: 412.xx - 414.xx.

Exclusions
Patients should be excluded if there has been any visit with one or more of the following codes for acute myocardial infarction (MI) events within the past year: 410.xx - 411.xx.

This measure does not include those who do not have clinical encounters.

RELATIONSHIP OF DENOMINATOR TO NUMERATOR

All cases in the denominator are equally eligible to appear in the numerator

DENOMINATOR (INDEX) EVENT

Clinical Condition
Encounter

DENOMINATOR TIME WINDOW

Time window precedes index event

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions
Those patients sampled in the denominator who have had a lipid profile that includes total cholesterol, high-density lipoprotein (HDL)-cholesterol, calculated low-density lipoprotein (LDL)-cholesterol and triglycerides at target (less than 100) and measured within the last year.

Note: To be included in the numerator, the patient needs to have the test results and a date of the test within the last year (total cholesterol, HDL-cholesterol, calculated LDL-cholesterol and triglycerides).

Exclusions
Unspecified

MEASURE RESULTS UNDER CONTROL OF HEALTH CARE PROFESSIONALS, ORGANIZATIONS AND/OR POLICYMAKERS

The measure results are somewhat or substantially under the control of the health care professionals, organizations and/or policymakers to whom the measure applies.

NUMERATOR TIME WINDOW

Fixed time period

DATA SOURCE

Administrative data
Laboratory data
Medical record

LEVEL OF DETERMINATION OF QUALITY

Not Individual Case

OUTCOME TYPE

Clinical Outcome

PRE-EXISTING INSTRUMENT USED

Unspecified

Computation of the Measure

SCORING

Rate

INTERPRETATION OF SCORE

Better quality is associated with a higher score

ALLOWANCE FOR PATIENT FACTORS

Unspecified

STANDARD OF COMPARISON

Internal time comparison

Evaluation of Measure Properties

EXTENT OF MEASURE TESTING

Unspecified

Identifying Information

ORIGINAL TITLE

Percentage of patients with stable CAD who have had a lipid profile determination at target (less than 100) and measured within the last year.

MEASURE COLLECTION

Stable Coronary Artery Disease Measures

DEVELOPER

Institute for Clinical Systems Improvement

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

2003 Nov

REVISION DATE

2006 Apr

MEASURE STATUS

This is the current release of the measure.

This measure updates a previous version: Institute for Clinical Systems Improvement (ICSI). Stable coronary artery disease. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2005 Apr. 49 p.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Stable coronary artery disease. Bloomington (NM): Institute for Clinical Systems Improvement (ICSI); 2006 Apr. 45 p. [70 references]

MEASURE AVAILABILITY

The individual measure, "Percentage of patients with stable CAD who have had a lipid profile determination at target (less than 100) and measured within the last year," is published in "Health Care Guideline: Stable Coronary Artery Disease." This document is available from the Institute for Clinical Systems Improvement (ICSI) Web site.

For more information, contact ICSI at, 8009 34th Avenue South, Suite 1200, Bloomington, MN 55425; phone: 952-814-7060; fax: 952-858-9675; Web site: www.icsi.org; e-mail: icsi.info@icsi.org

NQMC STATUS

This NQMC summary was completed by ECRI on July 14, 2004. This NQMC summary was updated by ECRI June 9, 2005 and again on June 29, 2006.

COPYRIGHT STATEMENT

Improvement, Inc. assumes no liability for any adaptations or revisions or modifications made to the abstracts of the ICSI Measures.

Date Modified: 9/25/2006